

Oil and Gas Pipeline and Related Structures Construction: 2002

Issued December 2004

EC02-23I-237120

2002 Economic Census

Construction

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

| | |
|---|----|
| Introduction to the Economic Census | v |
| Construction | ix |

Tables

| | |
|--|----|
| 1. Industry Statistics on 2002 NAICS Basis Distributed Among 1997 NAICS-Based Industries for the United States: 2002..... | 1 |
| 2. Employment Statistics for Establishments by State: 2002 | 2 |
| 3. General Statistics for Establishments by State: 2002 | 3 |
| 4. Detailed Statistics for Establishments: 2002 | 4 |
| 5. Selected Statistics for Establishments by Employment Size Class: 2002 | 5 |
| 6. Selected Statistics for Establishments by Value of Business Done Size Class: 2002 | 6 |
| 7. Value of Construction Work for Establishments by Type of Construction: 2002 | 7 |
| 8. Selected Statistics for Establishments by Specialization in Types of Construction: 2002..... | 8 |
| 9. Value of Business Done for Establishments by Kind-of-Business Activity: 2002 | 9 |
| 10. Selected Statistics for Establishments by Specialization in Kind-of-Business Activity: 2002 | 10 |
| 11. Value of Construction Work for Establishments by Location of Construction Work: 2002..... | 11 |

Appendixes

| | |
|--|-----|
| A. Explanation of Terms | A-1 |
| B. NAICS Codes, Titles, and Descriptions | B-1 |
| C. Methodology | C-1 |
| D. Geographic Notes | -- |
| E. Metropolitan and Micropolitan Statistical Areas | -- |
| F. Detailed NAICS and Bridge Code Titles: 2002 | F-1 |

-- Not applicable for this report.

Table 1. Industry Statistics on 2002 NAICS Basis Distributed Among 1997 NAICS-Based Industries for the United States: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A. For detailed title descriptions, see Appendix F]

| 2002 NAICS code | 1997 bridge code | Industry or bridge | Number of estab- lishments | Total number of employees | Total payroll | Value of construction work ¹ | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Capital expenditures, other than land |
|-----------------------|------------------------|---|----------------------------------|---------------------------------|------------------|---|---|----------------|--|--|
| | | | A | B | C | D | E | F | G | H |
| 237120 | | Oil and gas pipeline and related structures construction | 1 403 | 93 176 | 3 984 827 | 11 458 718 | 10 223 890 | 7 662 710 | 2 695 759 | 302 589 |
| | 21311200 | Support activities for oil and gas operations (pt) | 263 | 9 042 | 370 597 | 957 226 | 845 535 | 702 514 | D | 49 226 |
| | 23491000 | Water, sewer, and pipeline construction (pt) . | 991 | 45 944 | 1 906 625 | 5 788 386 | 5 066 543 | 3 903 761 | 1 210 688 | 223 999 |
| | 23493000 | Industrial nonbuilding structure construction (pt) | 149 | 38 190 | 1 707 604 | 4 713 106 | 4 311 812 | 3 056 435 | D | 29 363 |

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Employment Statistics for Establishments by State: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

| Location of establishment | Number of establishments | Number of employees | | Number of construction workers | | | | Payroll (thousand dollars) | | Relative standard error of estimate (percent) for column— |
|--|--------------------------|---------------------|----------------------|--------------------------------|---------------|-------------------|---------------------|----------------------------|----------------------|---|
| | | Total | Construction workers | January to March | April to June | July to September | October to December | Total | Construction workers | |
| | | | | | | | | | | |
| A | B | C | D | E | F | G | H | I | B | |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | | | |
| United States..... | 1 403 | 93 176 | 78 317 | S | 76 590 | 80 938 | 80 547 | 3 984 827 | 3 172 045 | 1 |
| Alabama..... | 20 | 2 459 | D | D | D | D | D | 199 698 | D | 1 |
| Alaska..... | 11 | 1 505 | D | D | D | 783 | D | 116 847 | 60 175 | — |
| Arizona..... | 11 | 870 | D | D | D | D | D | 30 580 | D | — |
| Arkansas..... | 23 | 528 | D | D | D | D | D | 16 331 | D | 15 |
| California..... | 62 | 6 489 | D | 5 073 | 5 802 | D | 6 054 | 259 606 | D | 1 |
| Colorado..... | 30 | 1 074 | 920 | 854 | 801 | D | D | 48 683 | D | 3 |
| Connecticut..... | 22 | 78 | D | D | D | D | D | 2 069 | D | 48 |
| Delaware..... | 4 | D | D | D | D | D | D | D | D | S |
| District of Columbia..... | — | — | — | — | — | — | — | — | — | — |
| Florida..... | 13 | 296 | D | D | 258 | 268 | 246 | 9 596 | D | 13 |
| Georgia..... | 20 | 1 506 | D | D | D | D | D | 67 927 | 57 548 | 4 |
| Hawaii..... | 1 | D | D | D | D | D | D | D | D | S |
| Idaho..... | 3 | 41 | D | D | D | D | D | 990 | D | — |
| Illinois..... | 26 | 3 277 | D | D | D | D | D | 138 222 | D | 3 |
| Indiana..... | 10 | 1 210 | D | D | D | D | D | 50 213 | D | 2 |
| Iowa..... | 1 | D | D | D | D | D | D | D | D | S |
| Kansas..... | 34 | D | D | D | D | 1 376 | D | 47 681 | D | S |
| Kentucky..... | 10 | 511 | D | D | D | D | D | 19 609 | D | — |
| Louisiana..... | 121 | 12 896 | D | 11 594 | D | 10 816 | D | 498 034 | D | 3 |
| Maine..... | — | — | — | — | — | — | — | — | — | — |
| Maryland..... | 39 | 564 | D | D | D | D | D | 16 742 | D | 40 |
| Massachusetts..... | 11 | 855 | D | D | 920 | 622 | D | D | D | 1 |
| Michigan..... | 47 | 1 978 | 1 765 | D | D | 2 300 | 1 950 | D | D | 36 |
| Minnesota..... | 28 | 2 300 | 2 013 | 1 501 | 2 025 | 2 221 | 2 304 | 135 158 | 108 481 | 10 |
| Mississippi..... | 15 | 659 | 471 | D | D | D | D | 24 057 | D | 5 |
| Missouri..... | 11 | 514 | 395 | 479 | 343 | 482 | 277 | 57 257 | D | 6 |
| Montana..... | 13 | 157 | D | D | D | D | D | 5 557 | D | 13 |
| Nebraska..... | 1 | D | D | D | D | D | D | D | D | S |
| Nevada..... | 4 | D | D | D | D | D | D | D | D | S |
| New Hampshire..... | — | — | — | — | — | — | — | — | — | — |
| New Jersey..... | 34 | 1 304 | D | D | D | D | 1 427 | 62 914 | D | 8 |
| New Mexico..... | 40 | 1 991 | D | D | 1 912 | 1 740 | D | D | D | 4 |
| New York..... | 21 | 1 362 | 1 158 | D | 1 203 | D | D | 70 943 | D | — |
| North Carolina..... | 49 | 1 173 | 1 030 | 1 005 | 1 069 | 1 037 | 1 010 | 43 062 | 35 375 | 16 |
| North Dakota..... | 4 | 129 | D | 103 | D | D | D | D | D | — |
| Ohio..... | 41 | 1 541 | D | D | 1 331 | 1 473 | 1 418 | D | D | 16 |
| Oklahoma..... | 90 | 3 091 | D | D | D | D | D | 135 287 | D | 5 |
| Oregon..... | 9 | 293 | 246 | 137 | 274 | 359 | 214 | 15 794 | 14 059 | 21 |
| Pennsylvania..... | 39 | 1 625 | D | D | D | D | D | 54 116 | D | 24 |
| Rhode Island..... | 3 | 48 | D | D | D | 51 | D | D | D | 17 |
| South Carolina..... | 7 | 213 | 179 | 176 | 182 | 176 | 179 | 8 428 | 6 399 | 11 |
| South Dakota..... | 8 | S | S | S | S | S | S | S | S | S |
| Tennessee..... | 12 | 266 | 222 | D | D | D | D | 8 724 | D | 9 |
| Texas..... | 292 | 33 347 | D | 28 327 | 26 671 | D | D | 1 311 353 | D | 2 |
| Utah..... | 19 | 560 | D | D | 286 | D | 422 | 24 142 | D | 20 |
| Vermont..... | — | — | — | — | — | — | — | — | — | — |
| Virginia..... | 11 | D | D | D | 598 | D | 593 | 22 463 | 18 691 | S |
| Washington..... | 8 | 1 011 | 846 | D | D | 810 | D | 63 139 | D | 1 |
| West Virginia..... | 22 | 909 | 765 | 616 | 668 | 950 | 825 | 37 225 | 30 175 | 6 |
| Wisconsin..... | 21 | D | D | D | D | D | D | 12 281 | D | S |
| Wyoming..... | 80 | 896 | D | D | 718 | 750 | 665 | 33 108 | D | 9 |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. General Statistics for Establishments by State: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Location of establishment | E ¹ | Value of construction work ² | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Total rental costs | Capital expenditures, other than land | End-of-year gross book value of depreciable assets | Relative standard error of estimate (percent) for column— | | |
|--|----------------|---|--------------------------------|-------------|--|---|--------------------|---------------------------------------|--|---|----|---|
| | | A | B | C | D | E | F | G | H | I | C | H |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | | | | | |
| United States | — | 11 458 718 | 10 223 890 | 7 662 710 | 2 695 759 | 1 234 828 | 476 370 | 302 589 | 3 230 696 | 1 | 1 | |
| Alabama | — | D | 613 173 | 538 159 | D | D | 7 024 | 3 136 | 45 712 | — | 2 | |
| Alaska | — | 257 806 | 222 013 | 171 553 | 50 655 | 35 793 | 8 876 | 1 212 | D | — | — | |
| Arizona | — | D | D | 66 447 | D | D | 6 017 | 7 561 | D | S | — | |
| Arkansas | — | D | D | D | 6 308 | D | 2 633 | 3 640 | 35 420 | S | 29 | |
| California | — | D | 550 638 | 437 270 | D | D | 31 351 | 22 542 | 147 148 | 1 | 2 | |
| Colorado | — | D | D | D | D | D | 11 929 | 4 598 | 50 993 | S | 2 | |
| Connecticut | 4 | 6 320 | 5 401 | 4 130 | 1 271 | 919 | 143 | 84 | 1 422 | 29 | 45 | |
| Delaware | — | D | D | D | D | D | 2 498 | 778 | D | S | — | |
| District of Columbia | — | — | — | — | — | — | — | — | — | — | — | |
| Florida | 4 | D | 38 649 | 25 752 | D | D | 1 318 | 628 | 9 826 | 4 | — | |
| Georgia | — | D | 169 469 | 135 764 | D | D | 12 532 | 5 432 | 65 446 | 3 | 4 | |
| Hawaii | — | D | D | D | D | D | D | D | D | S | S | |
| Idaho | 1 | 2 709 | 2 500 | 2 395 | 105 | 209 | 131 | 253 | 1 208 | — | — | |
| Illinois | — | 429 559 | 363 288 | 306 633 | 58 691 | 66 272 | 13 395 | 12 607 | 239 776 | 2 | 2 | |
| Indiana | — | 115 676 | 105 129 | 76 045 | 29 149 | 10 548 | 5 689 | 4 920 | D | 2 | — | |
| Iowa | — | D | D | D | D | D | D | D | D | S | S | |
| Kansas | — | D | D | 106 503 | D | D | 3 495 | 5 020 | 54 628 | S | 2 | |
| Kentucky | 1 | D | 51 466 | 40 906 | D | D | 3 501 | 2 375 | 29 941 | — | — | |
| Louisiana | — | D | 1 055 347 | 934 804 | D | D | 34 548 | 28 770 | 215 869 | 2 | 7 | |
| Maine | — | — | — | — | — | — | — | — | — | — | — | |
| Maryland | 1 | D | D | D | D | D | 1 486 | 2 752 | 19 236 | S | 34 | |
| Massachusetts | — | D | 109 691 | 78 790 | D | D | 6 745 | 3 370 | 32 624 | 1 | — | |
| Michigan | — | D | 200 355 | 170 437 | D | D | 8 691 | 7 267 | 86 578 | 32 | 33 | |
| Minnesota | — | D | 357 249 | 168 049 | D | D | 6 681 | 9 668 | 43 923 | 2 | 1 | |
| Mississippi | — | D | 49 709 | 46 918 | D | D | 3 739 | 3 294 | 60 093 | 6 | — | |
| Missouri | — | 134 120 | D | D | D | D | D | 715 | 9 065 | S | 10 | |
| Montana | 1 | D | 17 050 | 13 023 | D | D | 1 196 | 1 228 | 13 102 | 22 | 13 | |
| Nebraska | — | D | D | D | D | D | D | D | D | S | S | |
| Nevada | — | D | D | D | D | D | D | D | D | S | S | |
| New Hampshire | — | — | — | — | — | — | — | — | — | — | — | |
| New Jersey | 1 | D | 151 162 | 121 363 | D | D | 12 836 | 5 392 | 54 451 | 5 | 11 | |
| New Mexico | — | D | D | 136 293 | D | D | 15 861 | 7 235 | 70 886 | S | 2 | |
| New York | 1 | 225 000 | 193 190 | 164 327 | 34 264 | 31 810 | 10 838 | 8 052 | 72 928 | — | — | |
| North Carolina | — | 109 834 | 103 219 | 81 826 | 21 394 | 6 614 | 2 767 | 12 307 | 65 389 | 13 | 8 | |
| North Dakota | — | D | 13 802 | D | 2 337 | D | D | 464 | D | — | — | |
| Ohio | 1 | D | 218 773 | 180 982 | D | D | 8 693 | 6 625 | 111 569 | 17 | — | |
| Oklahoma | — | 442 813 | D | 228 784 | 157 578 | D | 26 764 | 10 088 | 122 184 | S | 7 | |
| Oregon | — | D | D | 34 758 | D | D | 1 406 | 1 344 | 14 202 | S | — | |
| Pennsylvania | — | D | 109 095 | 85 938 | D | D | 5 290 | 5 416 | 39 605 | 6 | — | |
| Rhode Island | — | D | D | D | D | D | D | D | D | S | S | |
| South Carolina | — | D | D | 12 427 | D | D | D | 3 593 | D | S | 4 | |
| South Dakota | — | S | S | S | S | S | S | S | S | S | S | |
| Tennessee | 1 | D | 24 914 | 14 744 | 10 170 | D | 492 | 814 | 11 562 | 14 | 32 | |
| Texas | — | 4 116 649 | 3 680 783 | 2 421 981 | 1 323 634 | 435 866 | 182 012 | 83 500 | 1 149 801 | 1 | 3 | |
| Utah | — | D | 73 212 | 57 436 | D | D | 3 300 | 1 834 | 19 132 | 13 | 31 | |
| Vermont | — | — | — | — | — | — | — | — | — | — | — | |
| Virginia | 1 | 62 328 | D | 42 250 | 14 917 | D | 2 114 | 3 417 | 29 891 | S | — | |
| Washington | — | D | D | D | 21 823 | D | 6 730 | 5 075 | 34 150 | S | 1 | |
| West Virginia | — | 112 174 | D | 79 379 | 17 538 | D | 3 307 | 4 547 | 55 405 | S | 1 | |
| Wisconsin | — | 69 339 | 66 623 | 56 805 | 9 818 | 2 717 | 983 | D | D | 30 | S | |
| Wyoming | 1 | D | D | 72 303 | D | D | 5 029 | 4 793 | 35 490 | S | 4 | |

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 4. Detailed Statistics for Establishments: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Item | Value | Relative standard error of estimate (percent) |
|---|------------|---|
| 237120, Oil and gas pipeline and related structures construction | | |
| All establishments number . . | 1 403 | 7 |
| All employees number . . | 93 176 | 1 |
| Construction workers in March number . . | S | S |
| Construction workers in May number . . | 76 590 | 2 |
| Construction workers in August number . . | 80 938 | 2 |
| Construction workers in November number . . | 80 547 | 2 |
| Average number of construction workers number . . | 78 317 | 1 |
| Other employees in March number . . | S | S |
| Other employees in May number . . | 14 544 | 2 |
| Other employees in August number . . | 14 654 | 2 |
| Other employees in November number . . | 14 566 | 2 |
| Average number of other employees number . . | 14 859 | 1 |
| Total payroll \$1,000 . . | 3 984 827 | 1 |
| Construction workers \$1,000 . . | 3 172 045 | 2 |
| Other employees \$1,000 . . | 812 781 | 1 |
| First-quarter payroll, all employees \$1,000 . . | 953 387 | 1 |
| Fringe benefits, all employees \$1,000 . . | 1 029 085 | 1 |
| Legally required expenditures \$1,000 . . | 599 899 | 2 |
| Voluntary expenditures \$1,000 . . | 429 186 | 1 |
| Value of business done ¹ \$1,000 . . | 11 593 297 | 1 |
| Value of construction work ¹ \$1,000 . . | 11 458 718 | 1 |
| Value of construction work on government owned projects \$1,000 . . | 1 034 208 | 3 |
| Value of construction work on federally owned projects \$1,000 . . | 307 830 | 3 |
| Value of construction work on state and locally owned projects \$1,000 . . | 726 378 | 3 |
| Value of construction work on privately owned projects \$1,000 . . | 10 424 511 | 1 |
| Other business receipts \$1,000 . . | 134 579 | 2 |
| Value of construction work subcontracted in from others \$1,000 . . | 1 929 444 | 3 |
| Net value of construction work \$1,000 . . | 10 223 890 | 1 |
| Value added \$1,000 . . | 7 662 710 | 1 |
| Selected costs \$1,000 . . | 3 930 587 | 1 |
| Materials, parts, and supplies \$1,000 . . | D | S |
| Construction work subcontracted out to others \$1,000 . . | 1 234 828 | 1 |
| Selected power, fuels, and lubricants \$1,000 . . | D | S |
| Purchased electricity \$1,000 . . | 13 940 | 1 |
| Natural gas and manufactured gas \$1,000 . . | D | S |
| Gasoline and diesel fuel \$1,000 . . | D | S |
| On-highway use of gasoline and diesel fuel \$1,000 . . | 80 463 | 2 |
| Off-highway use of gasoline and diesel fuel \$1,000 . . | D | S |
| All other fuels and lubricants \$1,000 . . | 10 605 | 1 |
| Total rental costs \$1,000 . . | 476 370 | 1 |
| Machinery and equipment \$1,000 . . | 422 416 | 1 |
| Buildings \$1,000 . . | 53 954 | 2 |
| Selected purchased services \$1,000 . . | 337 081 | 3 |
| Communication services \$1,000 . . | 78 334 | 1 |
| Repairs to buildings and other structures \$1,000 . . | 52 519 | 6 |
| Repairs to machinery and equipment \$1,000 . . | 147 470 | 4 |
| Legal services \$1,000 . . | 27 775 | 1 |
| Accounting, auditing, and bookkeeping services \$1,000 . . | 17 819 | 4 |
| Advertising and promotional services \$1,000 . . | S | S |
| Beginning-of-year gross book value of depreciable assets \$1,000 . . | 3 094 882 | 1 |
| Capital expenditures, other than land \$1,000 . . | 302 589 | 1 |
| Retirements and disposition of depreciable assets \$1,000 . . | 166 776 | 1 |
| End-of-year gross book value of depreciable assets \$1,000 . . | 3 230 696 | 1 |
| Depreciation charges during year \$1,000 . . | 297 693 | 2 |
| Establishments with inventories number . . | 191 | — |
| Value of construction work for establishments with inventories \$1,000 . . | 3 750 163 | — |
| End-of-2002, inventories of materials and supplies \$1,000 . . | 60 701 | — |
| End-of-2001, inventories of materials and supplies \$1,000 . . | 54 217 | 1 |
| Establishments with no inventories number . . | 1 172 | — |
| Value of construction work for establishments with no inventories \$1,000 . . | 7 587 748 | — |
| Establishments not reporting inventories number . . | 40 | — |
| Value of construction work for establishment not reporting inventores \$1,000 . . | 120 807 | — |

¹For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Selected Statistics for Establishments by Employment Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Employment size class | E ¹ | Number of establishments | Total number of employees | Total payroll | Value of business done ² | Value of construction work ² | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— |
|---|----------------|--------------------------|---------------------------|---------------|-------------------------------------|---|--------------------------------|-------------|--|---|---|
| | A | B | C | D | E | F | G | H | I | J | C |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | | | | |
| All establishments | — | 1 403 | 93 176 | 3 984 827 | 11 593 297 | 11 458 718 | 10 223 890 | 7 662 710 | 2 695 759 | 1 234 828 | 1 |
| Establishments with — | | | | | | | | | | | |
| 1 to 4 employees | — | 280 | 705 | 22 027 | 79 455 | 76 428 | 69 109 | 49 969 | 22 166 | 7 319 | 23 |
| 5 to 9 employees | — | 211 | 1 253 | 35 454 | 128 995 | 128 050 | 115 277 | 89 599 | 26 623 | 12 774 | 17 |
| 10 to 19 employees | — | 249 | 3 379 | 109 610 | 315 553 | 313 114 | 284 000 | 219 810 | 66 629 | 29 114 | 15 |
| 20 to 49 employees | — | 353 | 10 737 | 377 092 | 1 101 389 | 1 086 763 | 976 083 | 759 304 | 231 406 | 110 679 | 10 |
| 50 to 99 employees | — | 137 | 9 659 | 379 327 | 1 168 697 | 1 154 076 | 1 010 678 | 785 361 | 239 936 | 143 399 | 2 |
| 100 to 249 employees | — | 103 | 16 397 | 712 296 | 2 198 481 | 2 176 414 | 1 821 067 | 1 486 097 | 357 037 | 355 346 | — |
| 250 to 499 employees | — | 44 | D | D | D | D | D | D | D | D | S |
| 500 to 999 employees | — | 15 | D | D | D | D | D | D | D | D | S |
| 1,000 employees or more | — | 10 | D | D | D | D | D | D | D | D | S |

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6. Selected Statistics for Establishments by Value of Business Done Size Class: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Dollar value size class | E ¹ | Number of establishments | Total number of employees | Total payroll | Value of business done ² | Value of construction work ² | Net value of construction work | Value added | Cost of materials, components, supplies, and fuels | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— |
|---|----------------|--------------------------|---------------------------|---------------|-------------------------------------|---|--------------------------------|-------------|--|---|---|
| | A | B | C | D | E | F | G | H | I | J | G |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | | | | |
| All establishments | — | 1 403 | 93 176 | 3 984 827 | 11 593 297 | 11 458 718 | 10 223 890 | 7 662 710 | 2 695 759 | 1 234 828 | 1 |
| Establishments with value of business done— | | | | | | | | | | | |
| Less than \$25,000 | — | 1 | D | D | D | D | D | D | D | — | S |
| \$25,000 to \$49,999 | 9 | 2 | D | D | D | D | D | D | D | D | S |
| \$50,000 to \$99,999 | — | 48 | 101 | 2 295 | 3 987 | 3 987 | D | 2 543 | D | D | S |
| \$100,000 to \$249,999 | — | 171 | 538 | 10 059 | 30 859 | 30 514 | 26 891 | 17 695 | 9 541 | 3 623 | 31 |
| \$250,000 to \$499,999 | — | 209 | 1 528 | 33 481 | 79 785 | 79 334 | 67 975 | 47 599 | 20 827 | 11 359 | 25 |
| \$500,000 to \$999,999 | — | 159 | 1 927 | 39 336 | 118 263 | 117 772 | 109 305 | 89 154 | 20 641 | 8 467 | 21 |
| \$1,000,000 to \$2,499,999 | — | 287 | 4 807 | 161 842 | 451 078 | 446 866 | 409 231 | 320 251 | 93 193 | 37 635 | 14 |
| \$2,500,000 to \$4,999,999 | — | 194 | 7 923 | 274 076 | 683 403 | 669 423 | 615 251 | 507 413 | 121 817 | 54 173 | 11 |
| \$5,000,000 to \$9,999,999 | — | 140 | 8 979 | 326 660 | 990 572 | 977 187 | 868 714 | 670 450 | 211 649 | 108 473 | 2 |
| \$10,000,000 or more | — | 191 | 67 369 | 3 137 058 | 9 235 269 | 9 133 554 | 8 122 814 | 6 007 547 | 2 216 982 | 1 010 740 | — |

¹Construction receipts were obtained from census respondent forms. For establishments whose respondent forms were not received at the time data were tabulated, these data were calculated using industry averages and imputation for nonresponse. The following symbols are shown where estimated imputation-based data on construction receipts account for 10 percent or more of the figures shown: 1—10 to 19 percent; 2—20 to 29 percent; 3—30 to 39 percent; 4—40 to 49 percent; 5—50 to 59 percent; 6—60 to 69 percent; 7—70 to 79 percent; 8—80 to 89 percent; 9—90 percent or more.

²For the 2002 Economic Census, the definitions of value of business done and value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definitions.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 7. Value of Construction Work for Establishments by Type of Construction: 2002

[Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Type of construction | Value of construction work ¹ | | | | Relative standard error of estimate (percent) for column— | | | |
|--|---|------------------|---|------------------------|---|---|---|----|
| | Total | New construction | Additions, alterations, or reconstruction | Maintenance and repair | | | | |
| | A | B | C | D | A | B | C | D |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | |
| Total | 11 458 718 | 6 094 024 | 2 478 632 | 2 886 062 | 1 | 1 | 1 | 1 |
| Building construction, total | 143 423 | 75 955 | 47 111 | 20 356 | 3 | 2 | 3 | 13 |
| Other building construction | 143 423 | 75 955 | 47 111 | 20 356 | 3 | 2 | 3 | 13 |
| Nonbuilding construction, total | 11 315 295 | 6 018 069 | 2 431 521 | 2 865 706 | 1 | 1 | 1 | 2 |
| Oil and gas pipelines (except gathering), pumping stations, storage tanks, and mains | 5 320 438 | 3 529 229 | 822 256 | 968 953 | 2 | 2 | 2 | 3 |
| Petrochemical plants and petroleum refineries | 4 108 720 | 1 235 774 | 1 255 936 | 1 617 010 | 1 | 1 | — | 2 |
| Other nonbuilding construction | 1 886 138 | 1 253 066 | 353 330 | 279 743 | 2 | 1 | 3 | 6 |

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 8. Selected Statistics for Establishments by Specialization in Types of Construction: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization in major types of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of construction work by type of construction was not provided in Table 7. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at the end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

| Item | Number of establishments | Total number of employees | Total payroll | Value of construction work for specialized type | Net value of construction work | Value added | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— |
|---|--------------------------|---------------------------|---------------|---|--------------------------------|-------------|---|---|
| | A | B | C | D | E | F | G | G |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | |
| Total | 1 403 | 93 176 | 3 984 827 | X | 10 223 890 | 7 662 710 | 1 234 828 | 1 |
| Establishments specializing 51 percent or more... | 1 399 | 92 864 | 3 970 544 | 10 112 239 | 10 202 377 | 7 643 661 | 1 232 539 | 1 |
| Nonbuilding construction, total | | | | | | | | |
| Establishments specializing 51 percent or more... | 1 399 | 92 864 | 3 970 544 | 10 112 239 | 10 202 377 | 7 643 661 | 1 232 539 | 1 |
| Specialization 100 percent | 1 036 | 53 563 | 2 160 929 | 5 840 973 | 5 169 247 | 4 178 866 | 671 727 | 1 |
| Specialization 90 to 99 percent | 88 | 13 565 | 645 226 | 1 978 373 | 1 969 853 | 1 021 932 | 143 057 | 2 |
| Specialization 80 to 89 percent | 80 | 7 397 | 278 815 | 665 387 | 704 194 | 562 592 | 98 649 | 1 |
| Specialization 70 to 79 percent | 64 | 5 763 | 226 167 | 541 717 | 626 223 | 476 211 | 113 352 | — |
| Specialization 60 to 69 percent | 62 | 3 854 | 179 470 | 333 642 | 452 883 | 340 680 | 75 646 | 7 |
| Specialization 51 to 59 percent | 69 | 8 721 | 479 938 | 752 147 | 1 279 977 | 1 063 381 | 130 109 | 4 |
| Oil and gas pipelines (except gathering), pumping stations, storage tanks, and mains | | | | | | | | |
| Establishments specializing 51 percent or more... | 991 | 45 944 | 1 906 625 | 5 231 985 | 5 066 543 | 3 903 761 | 721 843 | 1 |
| Specialization 100 percent | 739 | 29 026 | 1 229 954 | 3 816 216 | 3 338 650 | 2 607 536 | 477 566 | 1 |
| Specialization 90 to 99 percent | 52 | 4 143 | 164 830 | 422 835 | 415 208 | 355 875 | 41 498 | 3 |
| Specialization 80 to 89 percent | 63 | 2 663 | 106 929 | 255 778 | 269 946 | 206 537 | 40 477 | 2 |
| Specialization 70 to 79 percent | 39 | 3 230 | 128 095 | 271 253 | 336 215 | 243 417 | 33 838 | 1 |
| Specialization 60 to 69 percent | 48 | 2 319 | 74 407 | 164 930 | 219 541 | 125 503 | 39 688 | 14 |
| Specialization 51 to 59 percent | 50 | 4 563 | 202 411 | 300 973 | 486 983 | 364 893 | 88 775 | 5 |
| Petrochemical plants and petroleum refineries | | | | | | | | |
| Establishments specializing 51 percent or more... | 149 | 38 190 | 1 707 604 | 4 094 354 | 4 311 812 | 3 056 435 | 401 294 | 1 |
| Specialization 100 percent | 100 | 20 669 | 808 141 | 1 663 563 | 1 502 581 | 1 311 797 | 160 982 | 2 |
| Specialization 90 to 99 percent | 13 | 7 839 | 371 732 | 1 360 728 | 1 359 284 | 500 398 | 81 501 | 3 |
| Specialization 80 to 89 percent | 5 | 3 658 | 131 398 | 325 948 | 338 025 | 272 892 | 51 335 | — |
| Specialization 70 to 79 percent | 17 | 2 132 | 87 611 | 238 483 | 256 906 | 205 947 | 69 355 | — |
| Specialization 60 to 69 percent | 6 | 1 055 | 89 910 | 150 387 | 206 808 | 185 539 | 33 032 | — |
| Specialization 51 to 59 percent | 7 | 2 838 | 218 813 | 355 245 | 648 208 | 579 862 | 5 089 | — |
| Other nonbuilding construction | | | | | | | | |
| Establishments specializing 51 percent or more... | 259 | 8 730 | 356 315 | 785 899 | 824 022 | 683 465 | 109 401 | 4 |
| Specialization 100 percent | 198 | 3 869 | 122 834 | 361 194 | 328 016 | 259 533 | 33 178 | 11 |
| Specialization 90 to 99 percent | 24 | 1 584 | 108 663 | 194 810 | 195 361 | 165 659 | 20 058 | 5 |
| Specialization 80 to 89 percent | 12 | 1 076 | 40 489 | 83 661 | 96 223 | 83 163 | 6 836 | 6 |
| Specialization 70 to 79 percent | 7 | 401 | 10 461 | 31 981 | 33 102 | 26 847 | 10 159 | — |
| Specialization 60 to 69 percent | 7 | 480 | 15 153 | 18 325 | 26 533 | 29 638 | 2 925 | 4 |
| Specialization 51 to 59 percent | 12 | 1 320 | 58 714 | 95 929 | 144 787 | 118 626 | 36 244 | 2 |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 9. Value of Business Done for Establishments by Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Based on their primary business activity or combination of activities, establishments were classified into this specific industry. These establishments, however, may also be engaged in other kinds of business activities. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Primary and other kind of business activities | Value of business done ¹ | Relative standard error of estimate (percent) |
|---|-------------------------------------|---|
| 237120, Oil and gas pipeline and related structures construction | | |
| Total | 11 593 297 | 1 |
| Heavy construction and civil engineering construction, total | 10 367 613 | 1 |
| Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines | 10 367 613 | 1 |
| All other construction activities | 1 091 958 | 3 |
| Other business activities secondary to construction activities, total | 133 726 | 2 |
| All other business activities secondary to construction activities | 133 726 | 2 |

¹For the 2002 Economic Census, the definition of value of business done has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 10. Selected Statistics for Establishments by Specialization in Kind-of-Business Activity: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. This table presents selected statistics for establishments according to degree of specialization by major activity of construction work. If number of establishments or value of construction work for a given type of specialization are relatively insignificant, data may not be shown. In addition, data are not shown in this table where distribution of the value of business done by kind of business activity was not provided in Table 9. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, and nonsampling error, see note at end of table. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A.]

| Item | Number of establishments | Total number of employees | Total payroll | Value of construction work for specialized kind of business | Net value of construction work | Value added | Cost of construction work subcontracted out to others | Relative standard error of estimate (percent) for column— |
|--|--------------------------|---------------------------|---------------|---|--------------------------------|-------------|---|---|
| | A | B | C | D | E | F | G | G |
| 237120, Oil and gas pipeline and related structures construction | | | | | | | | |
| Total | 1 403 | 93 176 | 3 984 827 | X | 10 223 890 | 7 662 710 | 1 234 828 | 1 |
| Establishments specializing 51 percent or more... | 1 381 | 91 190 | 3 915 100 | 10 673 203 | 10 098 856 | 7 539 259 | 1 220 867 | 1 |
| Heavy construction and civil engineering construction, total | | | | | | | | |
| Establishments specializing 51 percent or more... | 1 174 | 87 862 | 3 773 307 | 10 208 648 | 9 683 548 | 7 225 971 | 1 149 523 | 1 |
| Specialization 100 percent | 833 | 57 771 | 2 534 054 | 6 922 963 | 6 149 924 | 4 798 322 | 773 038 | 1 |
| Specialization 90 to 99 percent | 107 | 14 486 | 577 966 | 1 981 122 | 1 938 053 | 1 102 682 | 157 189 | 2 |
| Specialization 80 to 89 percent | 58 | 6 057 | 299 662 | 673 534 | 729 110 | 619 281 | 88 072 | 1 |
| Specialization 70 to 79 percent | 87 | 3 378 | 125 962 | 286 328 | 359 258 | 291 217 | 34 081 | 11 |
| Specialization 60 to 69 percent | 54 | 2 267 | 86 567 | 163 231 | 200 872 | 149 928 | 56 234 | 10 |
| Specialization 51 to 59 percent | 34 | 3 904 | 149 096 | 181 470 | 306 330 | 264 542 | 40 909 | 1 |
| Heavy construction contractor, such as bridges, tunnels, pipelines, and utility lines | | | | | | | | |
| Establishments specializing 51 percent or more... | 1 174 | 87 862 | 3 773 307 | 10 208 648 | 9 683 548 | 7 225 971 | 1 149 523 | 1 |
| Specialization 100 percent | 833 | 57 771 | 2 534 054 | 6 922 963 | 6 149 924 | 4 798 322 | 773 038 | 1 |
| Specialization 90 to 99 percent | 107 | 14 486 | 577 966 | 1 981 122 | 1 938 053 | 1 102 682 | 157 189 | 2 |
| Specialization 80 to 89 percent | 58 | 6 057 | 299 662 | 673 534 | 729 110 | 619 281 | 88 072 | 1 |
| Specialization 70 to 79 percent | 87 | 3 378 | 125 962 | 286 328 | 359 258 | 291 217 | 34 081 | 11 |
| Specialization 60 to 69 percent | 54 | 2 267 | 86 567 | 163 231 | 200 872 | 149 928 | 56 234 | 10 |
| Specialization 51 to 59 percent | 34 | 3 904 | 149 096 | 181 470 | 306 330 | 264 542 | 40 909 | 1 |
| All other construction activities | | | | | | | | |
| Establishments specializing 51 percent or more... | 207 | 3 328 | 141 793 | 464 555 | 415 308 | 313 287 | 71 344 | 5 |
| Specialization 100 percent | 148 | 2 410 | 112 477 | 401 058 | 343 811 | 259 915 | 57 247 | 6 |
| Specialization 90 to 99 percent | 30 | 186 | 4 254 | 16 808 | 14 122 | 8 025 | 3 693 | 39 |
| Specialization 80 to 89 percent | 4 | D | D | D | D | D | D | S |
| Specialization 70 to 79 percent | 1 | D | D | D | D | D | D | S |
| Specialization 60 to 69 percent | 23 | 277 | 7 679 | 15 686 | 24 101 | 17 475 | 1 699 | 55 |
| Specialization 51 to 59 percent | 2 | D | D | D | D | D | D | S |

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 11. Value of Construction Work for Establishments by Location of Construction Work: 2002

[Thousand dollars unless otherwise noted. Detail may not add to total because of rounding. Data based on the 2002 Economic Census. For information on confidentiality protection, sampling error, nonsampling error, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see Appendix A]

| Location of construction work | Value of construction work ¹ | Relative standard error of estimate (percent) for column— |
|---|---|---|
| 237120, Oil and gas pipeline and related structures construction | | |
| United States | 11 458 718 | 1 |
| Construction work done in— | | |
| Alabama | 375 182 | 1 |
| Alaska | 265 988 | — |
| Arizona | 146 594 | — |
| Arkansas | 47 768 | 12 |
| California | 905 933 | 1 |
| Colorado | 181 971 | 1 |
| Connecticut | 16 720 | 14 |
| Delaware | 22 428 | 4 |
| District of Columbia | D | S |
| Florida | 253 331 | 1 |
| Georgia | 252 016 | 3 |
| Hawaii | 9 160 | — |
| Idaho | 10 002 | — |
| Illinois | 316 694 | 3 |
| Indiana | 134 141 | 2 |
| Iowa | 75 862 | — |
| Kansas | 68 861 | 8 |
| Kentucky | 76 084 | — |
| Louisiana | 955 132 | 2 |
| Maine | 21 475 | — |
| Maryland | 89 106 | 19 |
| Massachusetts | 194 838 | — |
| Michigan | 148 062 | 35 |
| Minnesota | 156 009 | 4 |
| Mississippi | 214 319 | 3 |
| Missouri | 25 657 | 5 |
| Montana | 24 574 | 15 |
| Nebraska | 42 149 | — |
| Nevada | 108 863 | 1 |
| New Hampshire | 5 364 | — |
| New Jersey | 248 972 | 4 |
| New Mexico | 189 982 | 3 |
| New York | 253 965 | 6 |
| North Carolina | 137 188 | 10 |
| North Dakota | 9 737 | 1 |
| Ohio | 205 524 | 8 |
| Oklahoma | 178 602 | 7 |
| Oregon | 58 846 | 8 |
| Pennsylvania | 283 034 | 9 |
| Rhode Island | 14 442 | 10 |
| South Carolina | 119 283 | 3 |
| South Dakota | 44 578 | 1 |
| Tennessee | 90 538 | 4 |
| Texas | 3 603 082 | 1 |
| Utah | 167 312 | 5 |
| Vermont | D | S |
| Virginia | 114 142 | 2 |
| Washington | 162 601 | — |
| West Virginia | 85 539 | 10 |
| Wisconsin | 149 442 | 15 |
| Wyoming | 193 528 | 3 |

¹For the 2002 Economic Census, the definition of value of construction work has been modified from the 1997 Economic Census definition. See Appendix A for the modified definition.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.